

PLANNING AND DATA SHEET

Hole    KC151 #2

	Plan	Actual
1 Site/Hole Name	KC1L	KC151 #2
2 Latitude	26° 49' 22.6" N	
3 Longitude	92° 59' 11.3" W	
4 Water Depth (ft) (m)	4301	1311.0
5 Plan TDbsf (ft) (m)	1999	609.2

6 Scientific Objectives

KC1 targets the highest amplitude portion of the BSR and an underlying, high amplitude layer we interpret as a gas-charged sand layer. This high-reflectivity layer will also be sampled by KC6; however, at KC6 the layer has lower reflectivity and overlies the BSR. KC1 has the additional benefit that it does not cross the fault providing an unfaulted sedimentary section to the BSR. This site will constrain local variability of hydrate above the BSR but also provides an opportunity to sample high concentration gas layer underneath the hydrate stability zone. Separate analyses of gas and hydrate might provide insights into the formation of the hydrate and whether the gas has been trapped after hydrate formation or if the hydrate was formed during the migration of the gas. KC5 is an alternative location that will penetrate the BSR without penetrating the regional fault system.

7 Logging Program

LWD to TD

Planned LWD Program:

- Resistivity-at-bit with imaging (RAB)
- Density Neutron (VDN)
- MWD w/ GR

Planned Wireline Program for cored holes

- Dipole Sonic

Other Potential Data Acquisition

- NMR, VSP, APWD, Gas Detection, Sonic LWD, FMS